

PRESSURE MEASUREMENT IN MICROWAVE-ASSISTED CHEMICAL SYNTHESIS

ABSTRACT OF THE DISCLOSURE

A pressure-measuring vessel system for microwave assisted chemical processes is
5 disclosed. The vessel system includes a pressure resistant vessel that is otherwise transparent
to microwave radiation, a pressure-resistant closure for the mouth of the vessel, with portions
of the closure including a pressure resistant synthetic membrane, a pressure transducer
external to the vessel, and a tube extending from the transducer, through the membrane and
into the vessel for permitting the pressure inside the vessel to be applied against the transducer
10 while the closure and membrane otherwise maintain the pressure resistant characteristics of
the vessel.

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